

Element Performance Inspection (EPI)

5.1.8 Extended Range Operations with Two-Engine Airplanes (ETOPS) (OP)

Purpose of this Element (Air Carrier's responsibility):

To ensure each ETOPS flight is conducted in accordance with the Air Carrier's approved program as authorized in OpSpecs D086.

Objective (FAA responsibility):

To determine if the Air Carrier conducts ETOPS operations in accordance with their OpSpecs D086 and accepted procedures.

Specific Instructions for this EPI:

To accomplish this EPI, the inspector should become familiar with the Air Carrier's OpSpecs and ETOPS procedures.

The inspector should observe ETOPS training, qualifications, and operations for dispatchers, flight followers, and flight crews. In-flight operations should also be observed.

Related EPIs:

- 1.1.2 Appropriate Operational Equipment (OP)
- 3.1.3 Airman Duties / Flight Deck Procedures (OP)
- 3.1.4 Operational Control (OP)
- 3.1.9 Aircraft Performance Operating Limits (OP)
- 3.2.1 Dispatch / Flight Release (OP)
- 3.2.3 MEL / CDL Procedures (OP)
- 4.2.3 Training of Flight Crewmembers (OP)
- 4.2.5 Training of Dispatchers (OP)
- 4.2.9 Outsource Crew Training (OP)
- 4.2.11 Training of Flight Followers (OP)
- 4.3.2 Airmen / Crewmember Checks and Qualifications (OP)
- 5.1.6 Use of Approved Areas, Routes and Airports (OP)
- 5.1.7 Special Navigation Areas of Operation (OP)
- 5.1.9 RVSM Authorization (OP)
- 6.1.1 Scheduling / Reporting System (OP)
- 7.2.1 Safety Program (Ground and Flight) (OP)

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To meet this objective, the inspector will accomplish the following tasks (at the inspection locations where applicable):

1. Review the FAA Guidance and Specific Regulatory Requirements (SRR) included in the supplemental information section of this EPI.
2. Review the associated SAI, with emphasis on the Controls Attribute section.
3. Review policies and procedures related to the ETOPS program.
4. Discuss ETOPS procedures with appropriate personnel.
5. Observe the ETOPS process.
6. Review and assess ETOPS records.

To meet this objective, the inspector will answer the following questions:

1. Were the following performance measures met:

<i>1.1 All flight crewmembers conducting ETOPS operations were qualified. [SRR 121.383(a)]</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	If no, explain:
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<i>1.2 All dispatchers/flight followers monitoring ETOPS operations were qualified. [SRR 121.463(d)]</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	If no, explain:
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<i>1.3 Only airplanes listed in Paragraph D086 of the OpSpecs were used in ETOPS operations. [SRR 119.5 (f)]</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	If no, explain:
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<i>1.4 Did the flight crew comply with the Air Carrier's ETOPS procedures?</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	If no, explain:
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<i>1.5 Did dispatchers/flight followers comply with the Air Carrier's ETOPS procedures?</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	If no, explain:
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<i>1.6 Were ETOPS operations conducted in accordance with the Air Carrier's ETOPS OpSpecs Paragraph B043/B044? [SRR 119.5 (f)]</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	If no, explain:
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<i>1.7 Did the aircraft continue to meet ETOPS requirements throughout the entire flight?</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	If no, explain:
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<i>1.8 Were any instances in which an airplane no longer met ETOPS requirements properly recorded?</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	If no, explain:
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2. Were the written procedures adhered to for ETOPS?	<input type="checkbox"/> YES <input type="checkbox"/> NO	If no, explain:
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3. Were the identified controls adhered to for ETOPS?	<input type="checkbox"/> YES <input type="checkbox"/> NO	If no, explain:
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SUPPLEMENTAL INFORMATION

SRRs:

- 14 CFR 121.383 (a), “Airman: Limitation on Use of Services.”
- 14 CFR 121.463 (d), “Aircraft Dispatcher Qualifications.”
- 14 CFR 119.5 (l), “Certifications, Authorizations, and Prohibitions.”

Other CFRs and FAA Guidance:

- 14 CFR 121.161 (a), “Airplane Limitations: Type of Route.”
- 14 CFR 121.197, “Airplanes: Turbine engine powered: Landing limitations: Alternate airports.”
- FAA Order 8400.10, Vol. 3, Chap. 5, “Aircraft Dispatcher Training and Qualification Programs.”
- FAA Order 8400.10, Vol. 3, Chap. 11, “Operator Record Keeping.”
- HBAT 98-21, “Relief of Icing Fuel Penalties Associated with Critical Fuel Calculations for ETOPS.”
- Refer to Advisory Circulars using a search engine (such as ATP Navigator or Summit).